

HP 3000 SERIES 37
SOFTWARE INSTALLATION UPDATE NOTICE



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Introduction: The ATP37/M (40290A) is the new Terminal Interface Controller (TIC) for the HP 3000 Series 37. All the ATP37/M versions offer eight ports; one more than is provided by the ATP37 (30460A). The information in this update notice is only required for configuring the ATP37/M on a system with a T-Delta-2 or T-Delta-3 MIT operating system. The configuration will be modified in the U-MIT and later releases. This notice is an update of the Series 37 Software Installation Manual, part number 32033-90037.

Hardware: There are three versions of the ATP37/M; each provides a different connector panel.

- The standard ATP37/M (40290A) provides 7 RS-232-C (3-pin) direct connect ports and 1 RS-232-C (25-pin) modem port.
- Option 105 provides 7 RS-422 (5-pin) direct connect ports and 1 RS-232-C (25-pin) modem port.
- Option 125 provides 4 RS-232-C (25-pin) direct connect ports and 4 RS-232-C (25-pin) modem ports.

The standard ATP37/M and Option 105 each have a connector panel with port 7 as the only modem port. Option 125 provides a connector panel which has 4 direct connect ports (ports 0 thru 3) and 4 modem ports (ports 4 thru 7). Note that the modem ports can also be used for direct connections.

Installation: Once the ATP37/M hardware is installed, it should be verified by running the off-line diagnostic TICDIAG (version: V2.00) from the DUS tape (date code: 2531) distributed with T-Delta-3 MIT and later releases.

Configuration: The system configuration for the ATP37/M and the ATP37 is the same except for the following:

- 1) The configuration dialogue does not prompt you for port 6 of the ATP37/M.
- 2) If configuring an ATP37/M Option 125 then ports 4 thru 7 may be configured as modem ports. Port 7 is recognized as a modem port. At the Sub Type prompt, ports 4, 5 and 6 can also be specified as modem ports.

The configuration of port 6 on an ATP37/M follows the same general SYSDUMP/INITIAL configuration dialogue as ports 1 to 5 and port 7. The modem ports are configured by specifying Sub Type 1 (or 15) in response to the Sub Type prompt. The configuration dialogue is as follows:

System Prompt:	Response:
I/O configuration changes?	Y
List I/O devices?	As required.
List CS devices?	As required.
List device defaults?	As required.
Highest DRT= xxx?	Change if necessary based on the channel number of the ATP37/M PCA. Remember that the channel number is determined by slot position.
Ldev number?	Enter the appropriate ldev numbers.
Device name?	HPTERMATP or HPLPATP depending on whether you're running a terminal or printer.

DRT= xx?	The system will search for the board and give you it's DRT. If it is correct then enter <u>RETURN</u> otherwise enter the correct number.
Unit Number=x?	You will be prompted for each port. The exception will be port 6. Port 6 should be entered after completing port 5. The system will prompt Unit Number=? Enter 6 at this point to override. Then continue as normal.
Software channel number=0?	<u>RETURN</u>
Type= 16?	This will be 16 or 32 depending on the device name you specified. If the default is correct then enter <u>RETURN</u> otherwise enter the correct value.
Sub Type= xx?	This will normally be 0 or 14 (direct connect). For modem ports enter 1 for terminals or 15 for printers. Values 1 and 15 are only valid for ports 4 thru 7 on an ATP37/M Option 125 and only port 7 on the standard ATP37/M and Option 105. .
Termtype?	As required.
Speed?	As required. All ports are speed sensed anyway (a CR character is required). The maximum speed is 120 cps.
Record width?	As required.
Output dev?	This is normally the same as the Ldev.
Job accepting?	As required.
Data accepting?	As required.
Interactive?	As required.
Duplicative?	As required.
Initially spooled?	As required.
Auto reply?	As required.
Drivername=hioterm1?	<u>RETURN</u>
Class Name=term?	<u>RETURN</u> or add any other class names required.

NOTE: The values that should be entered in the fields marked "As required" depend on what is to be accomplished. The values for an ATP37/M are identical to those for any other ATP port. The only prompts where there is a difference between ATP37/M and ATP37 are at "Unit Number?" for port 6 and at "Sub Type?" if you want ports 4, 5 and 6 to be modem ports.

An example of the configuration of port 6 follows:

```

ANY CHANGES? y
SYSTEM ID = HP32033G.A1.02.?
MEMORY SIZE = 2944 (MIN=256, MAX=8192)?
I/O CONFIGURATION CHANGES? y
LIST I/O DEVICES? y
LOG DRT U C T SUB          REC  OUTPUT  MODE   DRIVER  DEVICE
DEV #  N H Y TYPE  TERMINAL . WIDTH  DEV          NAME    CLASSES
#      I A P      TYPE SPEED
T N E

1   33  0  0  3  5          128   0          HIOMDSC2 SYSDISC
                                   DISC
                                   SPOOL

6   36  0  0  32 9          66    0          S  HIOCIPR0 LP
7   35  0  0  3  3          128   0          HIOCTAP1 TAPE
                                   CTAPE
                                   SDISC
                                   DDUMP

10  37  3  0  3  3          128  LP      JA      HIOCTAP1 JOBTAPE
20  8   0  0  16 0      10   960   40    20    JAID    HIOTERM1 TERM
                                   CONSOLE

21  8   1  0  16 0      10   960   40    21    JAID    HIOTERM1 TERM
22  8   2  0  16 0      10   960   40    22    JAID    HIOTERM1 TERM
23  8   3  0  16 0      10   960   40    23    JAID    HIOTERM1 TERM
24  8   4  0  16 0      10   960   40    24    JAID    HIOTERM1 TERM
25  8   5  0  32 14     19   240   66    0      S      HIOASLP0 LP2932
27  8   7  0  16 1      10   120   40    27    JAID    HIOTERM1 TERM
                                   MODEM

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```

LIST DEVICE DEFAULTS?
HIGHEST DRT = 97 (MIN=8, MAX=511)?
LOGICAL DEVICE #? 26
DEVICE NAME? HPTERMATP
DRT #? 8
UNIT #? 6
SOFTWARE CHANNEL # = 0?
TYPE = 16?
SUB TYPE = 0?          *** 0 or 14 = Direct Connect, 1 or 15 = Modem ***
ENTER [TERM TYPE #],[DESCRIPTOR FILENAME] = ( 10 ) ?
SPEED IN CHARACTERS PER SECOND = 960?      ***Sensed speed or Required speed ***
RECORD WIDTH = 40?
OUTPUT DEVICE = 26?
ACCEPT JOBS/SESSIONS = Y ?
ACCEPT DATA = Y ?
INTERACTIVE = Y ?
DUPLICATIVE = Y ?
INITIALLY SPOOLED = N ?
AUTO REPLY = N ?
DRIVER NAME = HIOTERM1?
DEVICE CLASSES = TERM?
LOGICAL DEVICE #?

```

If configuring an ATP37/M Option 125 then ports 4, 5 and 6 can also be configured as a modem ports by specifying Sub Type = 1 (or 15) during the SYSDUMP/INITIAL configuration dialogue.

An example of the SYSDUMP/INITIAL dialogue for configuring an HP2932A, HP2933A, HP2934A, HP2686, or HP2687 printer for direct connection to port 6 of an ATP37/M is as follows:

```
LOGICAL DEVICE #? 26
DEVICE NAME? HPPCLATP
DRT #? 8
UNIT #? 6
SOFTWARE CHANNEL # = 0?
TYPE = 32?
SUB TYPE = 14?
ENTER [TERM TYPE #],[DESCRIPTOR FILENAME] = (TTPCL22.PUB.SYS) *** See NOTE ***
*** Use TTPCL18 for the HP2687 ***
SPEED IN CHARACTERS PER SECOND = 960?
RECORD WIDTH = 66?
OUTPUT DEVICE = 0?
ACCEPT JOBS/SESSIONS = N ?
ACCEPT DATA = N ?
INTERACTIVE = N ?
DUPLICATIVE = N ?
INITIALLY SPOOLED = Y ?
AUTO REPLY = N ?
DRIVER NAME = HIOASLPO?
DEVICE CLASSES = LP?
```

NOTE: The file name must be entered in full otherwise it will be truncated incorrectly by INITIAL.